

Title (en)
Encapsulated materials

Title (de)
VERKAPSELTE MATERIALIEN

Title (fr)
MATIERES ENCAPSULEES

Publication
EP 1533364 A3 20050608 (EN)

Application
EP 04257167 A 20041119

Priority
• US 71824003 A 20031120
• US 98314204 A 20041105

Abstract (en)
[origin: EP1533364A2] The present invention is directed to encapsulated fragrance materials. The fragrance materials are comprised of high Clog P materials or high Clog P fragrance materials along with high Clog P solvent materials. The encapsulated fragrance and solvent materials can then be further coated with a second coating, preferably a cationic coating. The selective use of solvents enables the fragrance and fragrance materials to remain in the capsules for extended periods of time without leaching from the capsule. The leaching of the flavor or fragrance materials is a problem especially in products that contain a high loading of surfactant or emulsifying materials such as laundry and oral care products.

IPC 1-7
C11D 3/50; A61K 7/00; A61K 7/16; A61K 7/46; A61K 7/50; C11D 3/43; C11D 3/37; C11D 7/50; C11D 17/00; C11D 3/18; C11D 3/20

IPC 8 full level
A61K 8/04 (2006.01); **A61K 8/11** (2006.01); **A61K 8/81** (2006.01); **A61Q 5/12** (2006.01); **A61Q 13/00** (2006.01); **B01J 13/02** (2006.01); **B01J 13/20** (2006.01); **C11D 3/18** (2006.01); **C11D 3/20** (2006.01); **C11D 3/37** (2006.01); **C11D 3/43** (2006.01); **C11D 3/50** (2006.01); **C11D 7/50** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)
A61K 8/0241 (2013.01); **A61K 8/11** (2013.01); **A61K 8/8158** (2013.01); **A61Q 5/12** (2013.01); **A61Q 13/00** (2013.01); **B01J 13/203** (2013.01); **C11D 3/37** (2013.01); **C11D 3/373** (2013.01); **C11D 3/3734** (2013.01); **C11D 3/505** (2013.01); **C11D 17/0013** (2013.01); **A61K 2800/412** (2013.01); **A61K 2800/413** (2013.01); **A61K 2800/56** (2013.01)

Citation (search report)
• [X] US 6645479 B1 20031111 - SHEFER ADI [US], et al
• [X] EP 0965326 A1 19991222 - PROCTER & GAMBLE [US]
• [X] WO 9955819 A1 19991104 - PROCTER & GAMBLE [US], et al
• [X] US 6143707 A 20001107 - TRINH TOAN [US], et al
• [X] WO 02090480 A1 20021114 - PROCTER & GAMBLE [US]
• [X] US 2003119713 A1 20030626 - HELTOVICS GABOR [GB], et al
• [X] EP 0376385 A2 19900704 - PROCTER & GAMBLE [US]
• [X] US 3798179 A 19740319 - HELLYER J
• [X] US 2003050346 A1 20030313 - HSU FENG-LUNG GORDON [US]
• [X] US 3947571 A 19760330 - MURPHY JOHN H, et al
• [X] US 3978204 A 19760831 - CHARLE ROGER, et al
• [X] WO 02090481 A1 20021114 - PROCTER & GAMBLE [US]
• [X] WO 0140430 A1 20010607 - PROCTER & GAMBLE [US], et al
• [A] US 5670159 A 19970923 - MORTON FRANK S S [US], et al
• [A] WO 0105926 A1 20010125 - PROCTER & GAMBLE [US], et al

Cited by
US2015267144A1; EP2005940A3; US11085009B2; GB2432852A; JP2015533512A; EP2181692A1; EA021971B1; US10415002B2; EP2418267A1; EP2431457A1; EP2845896A1; US11085008B2; US8067355B2; WO2014044840A1; WO2007004094A1; WO2009080401A3; WO2014059087A3; WO2007143869A3; WO2008142637A1; WO2007086036A1; WO2011056904A1; WO2008066773A3; US9523105B2; US10246727B2; WO2010100410A1; US9193678B2; EP2916665A1; JP2013240787A; EP2301517A1; EP2094828B1; WO2013052802A2; US9095531B2; EP3295931A1; US8518425B2; US9885009B2; US11820960B2; US8357649B2; US8759275B2; US9011887B2; WO2007091223A1; WO2010049236A1; US7968510B2; USRE45538E; US11096875B2; EP2397120A1; WO2011158962A2; WO2018005453A1; WO2023170158A1; US8022029B2; US8026205B2; US8093201B2; EP2532731A1; EP2532732A1; US8470762B2; US10034819B2; EP1893734B1; EP3316854B1; EP2094828A1; EP2204156B1; EP2496678B1; EP2496678B2; EP3068858B1; EP1767185B2; EP3068858B2; EP2563508B1; EP3423028B1; EP3608392B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1533364 A2 20050525; **EP 1533364 A3 20050608**; **EP 1533364 B1 20080702**; BR PI0405099 A 20050726; MX PA04011520 A 20050816

DOCDB simple family (application)
EP 04257167 A 20041119; BR PI0405099 A 20041119; MX PA04011520 A 20041119